

FILE 'HOME' ENTERED AT 21:48:53 ON 19 SEP 2004

=> b ca		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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FILE COVERS 1907 - 16 Sep 2004 VOL 141 ISS 13
 FILE LAST UPDATED: 16 Sep 2004 (20040916/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s permittivity
 L1 14022 PERMITTIVITY

=> s molecular(w)event?
 1006340 MOLECULAR
 232777 EVENT?
 L2 379 MOLECULAR(W) EVENT?

=> s l1 and l2
 L3 1 L1 AND L2

=> d all

L3 ANSWER 1 OF 1 CA COPYRIGHT 2004 ACS on STN
 AN 137:165784 CA
 ED Entered STN: 12 Sep 2002
 TI A system and method for characterizing the ***permittivity*** of
 molecular ***events***
 IN Hefti, John; Peng, Peng; Balaban, David; Heanue, Joseph
 PA Signature Bioscience, Inc., USA
 SO PCT Int. Appl., 59 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM G01N033-543
 CC 9-1 (Biochemical Methods)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2002065127	A2	20020822	WO 2002-US4048	20020211
	WO 2002065127	A3	20030227		

WO 2002065127 C2 20030410
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
US 2002168659 A1 20021114 US 2002-73827 20020211
PRAI US 2001-268401P P 20010212
US 2001-275022P P 20010312

CLASS

PATENT NO. CLASS PATENT FAMILY CLASSIFICATION CODES

WO 2002065127 ICM G01N033-543

AB A system and method for comparing the permittivities of test and ref.
samples to detect and identify mol. events is presented. A resonant
detector configured to output measurement parameters when the detector is
electromagnetically coupled to a supplied sample is provided. One or more
permittivity coeffs. is defined for the detector. A first output
parameter is obtained from the detector when the detector is
electromagnetically coupled to a ref. sample. A second output parameter
is obtained from the detector when the detector is electromagnetically
coupled to the test sample. The difference between the first and second
output parameters is applied to the one or more ***permittivity***
coeffs. to compute the relative difference in ***permittivity***
between the test sample and ref. sample. The methodol. and app. are
primarily of interest to detect and predict mol. events of biol. and
pharmaceutical importance that occur in physiol. situations.
ST system ***permittivity*** mol event; biol pharmaceutical mol events
IT Analysis
(biochem.; system and method for characterizing ***permittivity***
of mol. events)
IT Algorithm
Analysis
Apparatus
Biochemical molecules
Dielectric constant
Molecules
Optical sensors
Samples
Sensors
(system and method for characterizing ***permittivity*** of mol.
events)

=> d his

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FILE 'CA' ENTERED AT 21:49:02 ON 19 SEP 2004

L1 14022 S PERMITTIVITY
L2 379 S MOLECULAR(W) EVENT?
L3 1 S L1 AND L2
L4 0 S L1 AND CALIBRATION(W) SOLUTION?
L5 522 S L1 AND ELECTROMAGNETIC?
L6 0 S L5 AND PERMITTIVITY(W) COEFFICIENT?
L7 0 S L1 AND PERMITTIVITY(W) COEFFICIENT?
L8 1 S L1 AND RESISTANCE(W) PARAMETER?
L9 0 S L1 AND REACTANCE(W) PARAMETER?

L10 20 S L1 AND S(W) PARAMETER?
L11 0 S L1 AND BILINEAR(W) CALIBRATED(W) COEFFICIENT?

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	76.00	76.21
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-14.52	-14.52

STN INTERNATIONAL LOGOFF AT 21:55:11 ON 19 SEP 2004

L Number	Hits	Search Text	DB	Time stamp
1	6694	permittivity	USPAT	2004/09/19 20:13
2	27	permittivity and permittivity adj2 coefficient\$	USPAT	2004/09/19 20:14
3	6694	permittivity	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/19 20:14
4	27	(permittivity and permittivity adj2 coefficient\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/19 20:16
5	12	permittivity and molecular adj2 event	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/19 20:17
6	217	permittivity and electromagnetically	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/19 20:18
7	1	(permittivity and electromagnetically) and calibration adj2 solution\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/19 20:20